

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Genichiro OTA, et al.

Application No.: New PCT National Stage Application

Filed: January 23, 2006

For: MODULATION APPARATUS, DEMODULATION APPARATUS,  
MODULATION METHOD AND DEMODULATION METHODINFORMATION DISCLOSURE STATEMENTAssistant Commissioner of Patents  
Washington, DC 20231

Dear Sir:

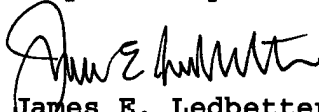
Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the art listed on the attached Form PTO 1449. Copies of the art cited in the International Search Report (ISR), which issued by the JPO, are made available to the U.S. examiner in the national stage application, pursuant to MPEP 1893.03(g), and therefore copies of such art are not submitted herewith. The art cited in the ISR is listed on the attached PTO-1449 for an indication of consideration by the examiner. Copies of any other references listed on the PTO-1449, besides those cited in the ISR, are submitted herewith. US '781 corresponds to JP '189 and both documents are discussed in the present application at page 3, line 1. US '406 corresponds to JP '069 and US '840 corresponds to JP '405.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106.

IAP15 Rec'd PCT/PTO 23 JAN 2006

Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,



James E. Ledbetter  
Registration No. 28,732

Date: January 23, 2006

JEL/spp

ATTORNEY DOCKET NO. L9289.06101

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FORM PTO-1449 U.S. Department of Commerce  
(Rev. 4/92) Patent and Trademark Office**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

L9289.06101

SERIAL NO.

New PCT Nat'l Stage  
Application

10/565380

APPLICANT

Genichiro OTA, et al.

FILING DATE

January 23, 2006

GROUP

Unassigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 0 9 1 7 8 1	07/2000	Mujtaba			
	4 8 3 5 7 9 1	05/1989	Daoud			
2003	0 0 9 2 4 0 6	05/2003	Ito et al.			
	5 9 2 0 8 4 0	07/1999	Satyamurti et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
2 2 1 5 2 4 2	08/1990	JP			
2003 1 3 4 0 6 9	05/2003	JP			
1 1 5 0 1 4 0 5	02/1999	JP			
1 1 2 3 9 1 8 9	08/1999	JP			Abstract

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

PCT International Search Report dated November 9, 2004.

S. A. MUJTABA: "A Novel Scheme for Transmitting QPSK as a Single-Sideband Signal," 0-7803-4984-9/98/\$10.00, 1998, IEEE, pp. 592-597.

**EXAMINER:** Initial if citation is considered, draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.